PARTICLEMETRIX
www.particle-metrix.de

Electrophoresis & Brownian Motion Video Analysis Laser Scattering Microscopy

Operator (Report): sop_kabanovlab.inst

Video Operator: sop_kabanovlab.inst

Sample Parameters

Sample Name: G104_F3_scatter80
Comment: Sample Remarks0:
Sample Remarks1:
Sample Remarks2:
Electrolyte:
Temperature: 27.49 °C sensed
pH 7.0 entered
Conductivity: 12726.56 µS/cm sensed

Instrument Parameters

Laser Wavelength: 488 nm
Filter Wavelength: Scatter

Measurement Parameters

Cell S/N: ZNTA

Measurement Mode: Size Distribution 1 Cycle

11 Positions, 2 Removed for Analysis

Result (sizes in nm)

	Number	Concentration	Volume
Median (X50)	145.2	145.2	237.4
Span	71.4	71.1	76.4

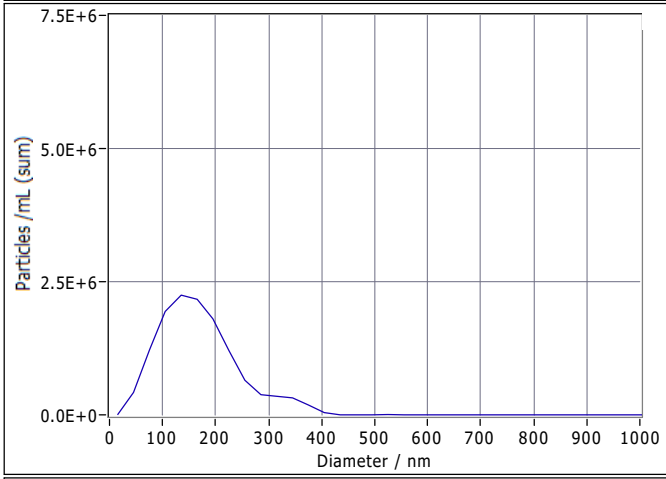
Concentration: 1.3E+7 Particles / mL
Dilution Factor: 1000
Original Concentration: 1.3E+10 Particles / mL

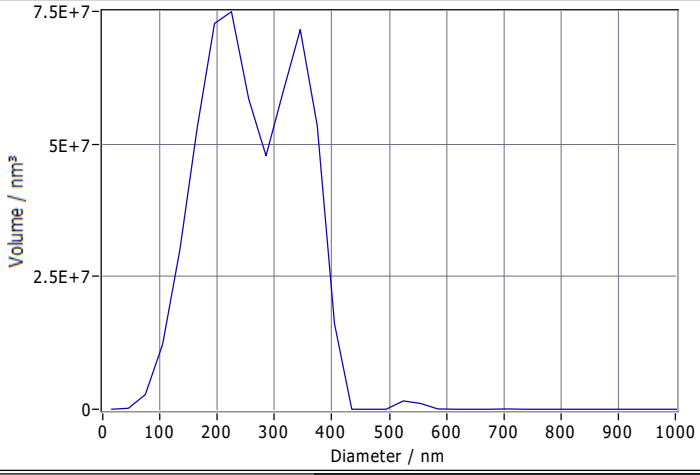
Quality

Average Counted Particles per Frame: 28
Number of Traced Particles: 133

Analysis Parameters

Max Area: 1000, Min Area: 10, Min Brightness: 20





Peak Analysis (Concentration)

Diameter / nm	Particles/mL	FWHM / nm	Percentage
146.3	2.2E+6	158.0	100.0

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	75.3	75.3	140.6
X50	145.2	145.2	237.4
X90	260.2	260.2	337.7
Span	1.3	1.3	0.8
Mean	169.5	169.5	256.0
StdDev	71.4	71.1	76.4

Comment

(Signature)

Analyzed Video: D:\Julia Rager\0413223\20230412_0023_G104_F3_scatter80_size_488.avi